2 Phase

Fully Actuated (Elizabeth City Signal System)

NOTES

3. Set all detector units to presence mode. 4. Locate new cabinet so as not to obstruct

dated January 2018 and "Standard

dated January 2018.

pedestrian calls.

otherwise noted.

**PROPOSED** 

 $\bigcirc$ 

N/A

 $\longrightarrow$ 

N/A

ped and phase 8 ped.

leading ped interval.

Engineer.

red.

1. Refer to "Roadway Standard Drawings NCDOT"

Specifications for Roads and Structures"

2. Do not program signal for late night flashing

operation unless otherwise directed by the

sight distance of vehicles turning right on

5. Omit "WALK" and flashing "DON'T WALK" with no

7. Pedestrian pedestals are conceptual and shown

9. Program phase 4 ped detector to call phase 4

10. Phase 8 ped is dummy ped to enable phase 4

11. Maximum times shown in timing chart are for

LEGEND

Traffic Signal Head

Modified Signal Head

Pedestrian Signal Head w/ Pushbutton & Sign

Type II Signal Pedestal Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector

Controller & Cabinet Junction Box 2-in Underground Conduit

> Right of Way Directional Arrow

Truncated Dome

free-run operation only. Coordinated signal

system timing values supersede these values.

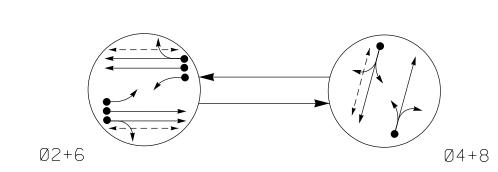
6. Program pedestrian heads to countdown the

for reference only. See sheets P1-P3

flashing "Don't Walk" time only.

for pushbutton location details. 8. Pavement markings are existing unless

### PHASING DIAGRAM



#### PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT  $<\!\!--\!\!>$  PEDESTRIAN MOVEMENT

TABLE OF C	PERATION	SIGNAL FACE
	PHASE	All Heads L.E

SIGNAL

FACE

21, 22

41.42

61, 62

81, 82

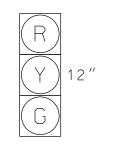
P21, P22

P41, P42

P61, P62

W DW DRK

W DW DRK





ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR					PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
2 <sup>1</sup> A	6X6	7:0	3	Χ	2	Yes	-	-	_	S	-	Χ
2B	6X6	70	3	Χ	2	Yes	_	-	_	S	-	Χ
2C	6X40	0	2-4-2	Χ	2	Yes	-	_	_	S	-	Χ
4 A	6X40	0	2-4-2	_	4	Yes	-	5	_	S	-	Χ
6 <sup>-</sup> A	6X6	70	3	Χ	6	Yes	-	_	_	S	_	Χ
6B	6X6	7:0	3	Χ	6	Yes	=	-	=	S	_	Χ
6°C	6X:40	0	2-4-2	Χ	6	Yes	-	-	_	S	-	Χ
8.8	6X40	0	2-4-2	-	8	Yes	-	5	-	S	-	Χ
S1 <sup>-</sup> 5	6X6	+120	EXIST	-	-	-	_	_	-	N	Χ	Χ
S16	6X6	+120	EXIST	-	-	_	_	_	_	N	Χ	Χ

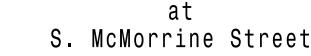
# 35 MPH 0% Grade SR 1268 (Ehringhaus Street) Sidewalk Sidewalk 35 MPH 0% Grade SR 1268 (Ehringhaus Street)

ASC/3 TIMING CHART								
	PHASE							
FEATURE	2	4	6	8				
Min Green *	10	7	10	7				
Delayed Green*	-	7	-	7				
Walk *	7	7	7	0				
Ped Clear	11	22	14	0				
Veh. Extension *	3.0	2.0	3.0	2.0				
Max 1 *	60	25	60	25				
Yellow	3.8	3.1	3.8	3.2				
Red Clear	2.5	2.8	2.7	2.9				
Actuations B4 Add *	-	_	-	-				
Seconds /Actuation *	-	-	-	-				
Max Initial *	-	-	-	-				
Time Before Reduction *	-	-	-	-				
Time To Reduce *	-	-	-	-				
Minimum Gap	-	-	-	-				
Locking Detector	X	-	X	-				
Recall Position	VEH. RECALL	-	VEH. RECALL	-				
Dual Entry	-	X	-	X				
Simultaneous Gap	X	X	X	X				

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be

## Signal Upgrade

# SR 1268 (Ehringhaus Street)



	Division	1 Pasquotank	County E	Elizabet	th C:
OF TRANSPORTOR	PLAN DATE:	February 2018	REVIEWED BY:	AJ Dav	/is
ld Pkwy,Garner,NC 27529	PREPARED BY:	JA Le	REVIEWED BY:	LM Moon	
SCALE		REVISIONS		INIT.	DAT
0 40'					

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**EXISTING** 

8000 Regency Parkway, Suite 175 Cary, NC 27518 NC LIcense No. C-2213 (919) 650-1038

TIMMIIIII)

STOPBAR & CROSSWALK LOCATIONS